



14th IEEE HONET-ICT International Conference

October 09-11, 2017
Irbid, Jordan



“Smart Cities: Improving Quality of Life-Using ICT & IoT”

Hosted and co-Organized by:

Jordan University of Science & Technology (JUST), Irbid
An-Najah National University (ANNU), Nablus
and

University of North Carolina at Charlotte, NC, USA

Vision: To bring together professionals and practitioners from academia, industry, and government from around the world, with an objective to share knowledge and experience in the field of Energy, Photonics and Information and Communication Technologies with emerging technologies for global partnerships and collaborations, aiding economic growth to support peace and prosperity in the world.

GENERAL INFORMATION

The 14th International Conference HONET-ICT '2017 has a major theme as “*Smart Cities: Improving Quality of Life-Using ICT & IoT*” – covering various areas in Information and Communication Technologies (ICT) from Physical Layers' perspective, ICT-Services, Systems, and e-Applications to perspective from judiciary, civil service, urban planning, social services, architecture, healthcare, utilities, agriculture and education. This year's thematic focus on **Smart Cities and Villages(SC&V)** with holistic approach will bring together researchers, practitioners, and leaders from **city planning, transportation, energy, judiciary, civic services, medicine and healthcare, education, water & sewer, agriculture & food supply chain, as well as environment & security** areas and so on.

Keeping to its traditions. it would encompass various enabling technologies including, but not limited to, **IoT, 5G, Cloud Computing** and **Computer Networks**. Moreover, the **Photonics, Green Energy**, and **Smart Microgrids** tracks will cover efficient energy production/saving technologies and harvesting renewable resources. The rapidly emerging area of Big-data will include data transport, storage, cloud computing and data-analytics as pertains to various sectors of industry and society from education to e-healthcare, e.g., ICT for Healthcare. The expanded scope for the HONET-ICT International Conference will cover R&D topics ranging from new materials and photonics device technologies to intelligent systems consisting of communication networks, cyber-security, e-applications and social networks.

Global ICT networks enable the high-speed internet by utilizing various photonic- and RF wireless physical layers technologies and networks spanning millions of fiber-optic links over the vast landscape

and numerous satellites hovering over the earth. Such technology base is the workhorse for ICT from the architectural, security, signal transport and application perspectives. Photonic, Optoelectronic, and Wireless modes of communication complement each other and enable various communication technologies that are now the life-lines of our increasingly interconnected world.

The 14th International Conference will be hosted by JUST and ANNU in Jordan in collaboration with UNC Charlotte, USA. The 3-day conference will include various symposia serving social, scientific, technical, and commercial sectors from different regions with a broad global participation. It is poised to cover multiple tracks in various thematic areas i.e., Smart Cities and Smart Villages, IoT, e-applications (e-Healthcare, e-Education etc.), Green Energy, and Big-data & Cloud Computing.

INSTRUCTIONS FOR AUTHORS

All paper submissions will be handled electronically through **EDAS**. Authors should strictly follow the guidelines and template available at the website and prepare PDF-compliant version of their papers not exceeding five (5) double-column pages. Extended abstracts and Poster Summaries could be up to 2 pages with double column format. Paper format/template with font sizes and the guidelines, and copyright form are available on the HONET-ICT homepage. The first page of the paper must contain an informative title, abstract, and name(s) of author(s) with respective affiliations, postal address(es), phone/fax numbers, and email address(es). The corresponding author must be clearly identified. Additionally, five keywords relevant to the research paper or thematic areas must also be listed (as per template). *All submissions will be peer-reviewed, and the accepted and presented papers will be published on IEEE Xplore Digital Library.*

All HONET papers must be submitted at <https://edas.info/23295>. The deadlines listed therein are 11:59 pm US Eastern Daylight Time, GMT+4.

For detailed author instructions please visit www.honet-ict.org.

PLANNED SESSIONS

Authors are invited to submit *R&D and concept papers* presenting original research work related to the practice and theory related to the scope of “HONET-ICT”. Related proposals for workshops and Tutorials will be considered. All submissions must describe original and pertinent research, development, and future vision. The topics of interest include, but are not limited to the one shown on the right.

These topics should be discussed in terms of research findings, concepts, state-of-the-art, standards, implementations, developments, field trials/experiments, educational goals, and new applications. Submitted or substantially similar papers must not be under review currently for any other publication.

Smart Cities/Villages (SC&V)

[Non-technical as well as technical contributions invited for this track]

- Role of civil services professionals and urban/village planners in defining the blue prints/requirements/features of SC&V
- Networking, Energy & Environmental friendly infrastructures targeting services that enhance the quality of life
- Traditional and Autonomous Transportation in smart cities
- Efficient water resources planning and usage
- Precision Agriculture, vision analytics in isolating diseases, pests and other hazards
- Healthcare and Educational Services
- Judicial services (such as virtual court rooms), tele-medicine
- Enhancing the Social services with ever-evolving technologies while maintaining the local culture

Computer and Communication Networks

- Wireless Networks
- Photonic Networks
- 5G Communication and beyond
- Software Defined Networks (SDN)
- Network Security and Forensic Analysis

Cloud Computing

- Big Data Analytics
- Network Function Virtualization (NFV)
- Datacenter Storage

Enabling Technologies

- ICT for Healthcare Applications
- LEDs, Lasers and Solar Cells and Panels
- Micro Grid Analytics and Management
- Smart Grid and Smart Cities

IMPORTANT DATES

Full Paper Due

31-May-2017

Acceptance Notification

10-Jul-2017

Camera Ready Due

21-Jul-2017

Registration Deadline

18-Aug-2017

Program Available

25-Aug-2017

Received papers will be peer reviewed using "IEEE standards and criteria." Authors should note that only the accepted and presented papers will be eligible for final proceedings. Papers accepted but not presented (and registered) will be omitted from publication on IEEE Xplore. TPC reserves the right to reject any paper at any stage that is found to be plagiarized.

Paper submissions: <https://edas.info/23295>